

46. (new) The method of claim 45, wherein said anchor means includes an anchor member extending from said substrate and encompassed by said barrier layer, wherein said anchor member has a concave and curved side wall.

Remarks

Claims 1-11, 13, and 20-46 are pending in this application. Claims 12, and 14-19 have been cancelled without prejudice. Claims 20-46 have been added. Claims 1, 7, 8, 9, and 13 have been amended for clarity.

Submitted herewith are a substitute specification and a marked up version showing all of the changes. The substitute specification, which has been amended for clarity, contains no new matter.

Applicant respectfully requests that the added and amended claims be entered in this case before substantive examination thereof.

Respectfully submitted,

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Encl: Marked up claims

Substitute specification and compare copy

Marked-up claims

1. (Amended) A method for securely anchoring [an ink] a barrier layer to a substrate in a [printhead] fluid ejection device comprising:

[providing a substrate comprising at least one ink ejector thereon;]

applying a lower layer comprised of a first metal to [said] a substrate having a fluid ejector;

applying an upper layer comprised of a second metal to said lower layer;

etching said upper layer in order to remove a plurality of portions thereof while leaving a plurality of other portions of said upper layer intact, said etching of said upper layer also exposing multiple regions of said lower layer;

[isotropically] etching said multiple regions of said lower layer that were exposed after said etching of said upper layer in order to remove said multiple regions and produce a plurality of [upwardly-extending] structures positioned on said substrate, said [upwardly-extending] structures being spaced apart from each other and each comprising an [isotropically-etched] etched section of said lower layer and a section of said upper layer thereon;

etching at least one of said [upwardly-extending] structures on said substrate in order to remove said section of said upper layer therefrom and thereby produce an [isotropically-etched] anchor member; and

covering said [upwardly-extending] structures, said anchor member, and [any] exposed portions of said substrate therebetween with a layer of at least one [ink] fluid barrier material, said anchor member securely attaching said layer of [ink] fluid barrier material to said substrate.

7. (Amended) The method of claim 1 further comprising heating said [ink] fluid barrier material to a temperature sufficient to cause said [ink] fluid barrier material to flow around said anchor member.

8. The method of claim 7 wherein said temperature sufficient to cause said [ink] fluid barrier material to flow around said anchor member is about 50 - 500 °C.

9. A method for securely anchoring [an ink] a barrier layer to a substrate in a printhead comprising: [providing a substrate comprising at least one ink ejector thereon;]

forming at least one [isotropically-etched upwardly-extending] metallic anchor member on [said] a substrate having a fluid ejector thereon; and

covering said anchor member with a layer of at least one [ink] fluid barrier material, said anchor member securely attaching said layer of [ink] fluid barrier material to said substrate.

13. A method for securely anchoring [an ink] a barrier layer to a substrate in a printhead comprising: [providing a substrate comprising at least one ink ejector thereon;]

applying at least one layer comprised of metal to [said] a substrate having a fluid ejector;

forming at least one [isotropically-etched upwardly-extending] metallic anchor member on said layer; and

covering said anchor member with a layer of at least one [ink] fluid barrier material, said anchor member securely attaching said ink barrier material to said substrate.

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